

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A color conversion cell for adjusting a color or color temperature of light from a light source having a first emission spectrum, the color conversion cell comprising

a color converting substance in a matrix held between two electrodes, the color converting substance having a second emission spectrum different from the first emission spectrum, and

a switchable reflector positioned behind the color converting substance such that the color converting substance is between the reflector and the light source, forming a switchable resonance structure for the first emission spectrum;

the color conversion cell being shiftable between at least

a first state wherein the reflector will at least substantially reflect source light incident on the cell, and

the color converting substance will

absorb a first ratio, A1, of light incident on the cell,

emit light with the second emission spectrum, and

transmit a second ratio, T1, of light incident on the cell, and

a second state wherein the reflector will at least substantially transmit source light incident on the cell, and the first ratio, A2, is smaller than in the first state and wherein the second ratio, T2, is larger than in the first state.

2. (Previously presented) The color conversion cell according to claim 1, wherein the color converting substance comprises anisometric color converting particles having a high absorption orientation and a low absorption orientation in relation to light incident on the cell, the color conversion cell further comprising means for, when the cell is in the first state, orienting the anisometric color converting

particles at least substantially in their high absorption orientation relative to the source light illuminating the cell, and for, when the cell is in the second state, orienting the anisometric color converting particles at least substantially in their low absorption orientation relative to the source light illuminating the cell.

3. (Previously presented) The color conversion cell according to claim 2, wherein the means for orienting comprises a liquid crystal material and wherein the anisometric color converting substance is mixed with liquid crystals to provide a controllable orientation of the anisometric particles.

4. (Original) The color conversion cell according to claim 2, wherein the means for orienting comprises a suspended particle device and wherein the anisometric color converting particles are suspended in the suspended particle device to provide a controllable orientation of the anisometric particles.

5. (Previously presented) The color conversion cell according to claim 1, further comprising an electrowetting cell with the color converting substance mixed with a liquid.

6. (Original) The color conversion cell according to claim 1, wherein the color conversion cell is adapted to provide a longer average pathlength of the source light in the matrix containing the color converting substance inside the cell in its first state, than in its second state.

7. (Previously presented) The color conversion cell according to claim 6, further comprising electrically controllable scattering media.

8. (Cancelled)

9. (Currently amended) A light emitting device with adjustable color or color temperature comprising a light source having a first emission spectrum and a color

conversion cell positioned to be illuminated by at least part of the light from the light source, the color conversion cell comprising

a color converting substance in a matrix held between two electrodes, and a switchable reflector positioned behind the color converting substance such that the color converting substance is between the reflector and the light source, forming a switchable resonance structure for the first emission spectrum;

the color converting substance having a second emission spectrum different from the first emission spectrum, the color conversion cell being shiftable between at least a first state wherein the reflector will at least substantially reflect source light incident on the cell, and

the color converting substance will

absorb a first ratio, A1, of light incident on the cell,
emit light with the second emission spectrum, and
transmit a second ratio, T1, of light incident on the cell, and

a second state wherein the reflector will at least substantially transmit source light incident on the cell, and the first ratio, A2, is smaller than in the first state and wherein the second ratio, T2, is larger than in the first state.

10. (Cancelled)

11. (Original) The light emitting device according to claim 9 comprising multiple color conversion cells comprising different color converting substances and being arranged behind one another as seen from the light source to allow light from the light source to illuminate a succeeding cell through a preceding cell.

12. (Currently amended) A method for adjusting the color or color temperature of light from a light source having a first spectrum, the method comprising providing a color conversion cell comprising a color converting substance in a matrix held between two electrodes, and a switchable reflector positioned behind the color converting substance such that the color converting substance is between the

reflector and the light source, forming a switchable resonance structure for the first emission spectrum,

illuminating the matrix with the light source,

absorbing at least part of the source light illuminating the matrix in/by the color converting substance,

emitting light with a second emission spectrum from the color converting substance,

adjusting a voltage between the two electrodes to switch on or off the resonance structure, thereby to increase or decrease the amount of source light absorbed by the color converting substance and the amount of light with a second emission spectrum emitted by the color converting substance.